Cascadia™

Creating Remote Possibilities®

Hybrid Extreme Central Monitoring Software User's Manual

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Introduction

This documentation contains instructions on the use of the Hybrid Extreme Central Monitoring Software (CMS).

Hybrid Extreme CMS is included with the Hybrid Extreme VMS software. The wide range of functionalities the CMS provides includes; connecting multiple Hybrid Extreme VMSs, view live monitoring, search/playback, manage cameras, manage other connect devices, manage recording servers, and the list goes on. This centralized monitoring software fully integrates security to the fullest.

For More Information

Visit Cascadia Video Products, LLC at http://www.cascadiadvrt.com for additional product documentation.

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1 System Requirements

The following are minimum system requirements for running CMS. System requirements depend on the system's camera count, frame rate and resolution.

Operating System	Windows 7 Home 64bit SP1, Windows 7 Pro 64bit SP1, Windows 7 Ultimate 64bit SP1
CPU	Intel Core i3, i5, i7 Sandy Bridge or Ivy Bridge CPU, Intel i7 3770K CPU recommended
Memory	4GB or Higher, 8GB recommended
Hard Disk	Min. 5GB free space, 20GB recommended
Video Card	Intel HD Graphics Driver(CPU built-in)
Motherboard	Intel Z77, B75, Z68, H77 Express Chipset Motherboard, Intel Z77 Chip-set recommended
Network	Gigabit LAN chip
Web browser	Microsoft Internet Explorer IE 7.0 or higher

NOTE: *The 32bit Application is not be distributed for Windows 32bit operating software. Please contact Technical Support, if you need it.*

2 Installation and remove software

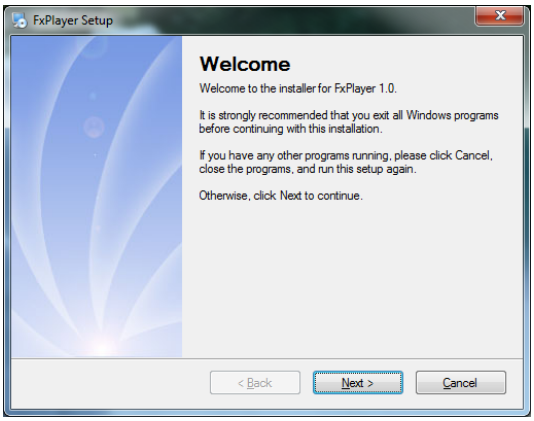
2.1 Installation

2.1.1 Player Installation

The "FX Player" is used for video display and audio out in the CMS and other related software. It is done through the Windows ActiveX Control. The "FX Player" must be installed before the CMS to avoid installation issues, as the CMS will search for the "FX Player" to complete the installation.

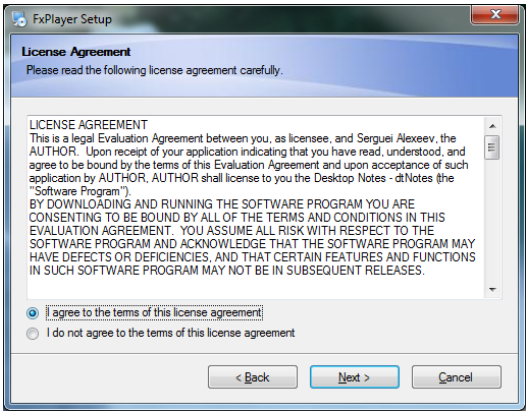
The "FX Player" has two installable versions of software as executable files, one for Intel HD Graphics GPU only, and the other, for all other brands of video cards.

Windows 7 OS Type	Video Driver	Player installation file
32bit	General	FxPlayer.exe
32bit	Intel HD Graphics	FxPlayer.exe
64bit	General	FxPlayer.exe
64bit	Intel HD Graphics	FxPlayer4GPU.exe


FxPlayer Setup
Welcome
Welcome to the installer for FxPlayer 1.0.
It is strongly recommended that you exit all Windows programs before continuing with this installation.
If you have any other programs running, please click Cancel, close the programs, and run this setup again.
Otherwise, click Next to continue.
< Back
Next >
Cancel

Open, either the FxPlayer.exe or FxPlayer4GPU.exe, depending on which video card you have.

Click Next to continue.


FxPlayer Setup
License Agreement
Please read the following license agreement carefully.
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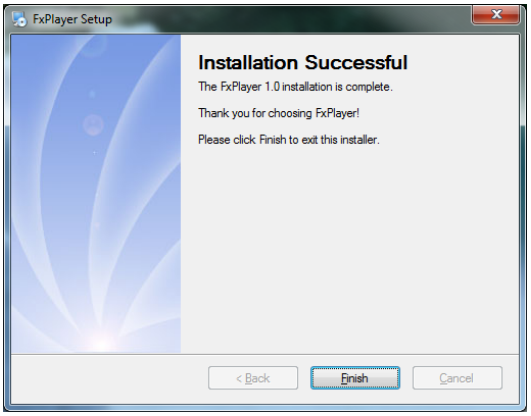
I agree to the terms of this license agreement
I do not agree to the terms of this license agreement
< Back
Next >
Cancel

Please read and agree to the terms of the license and click Next.

This will start the installation process.



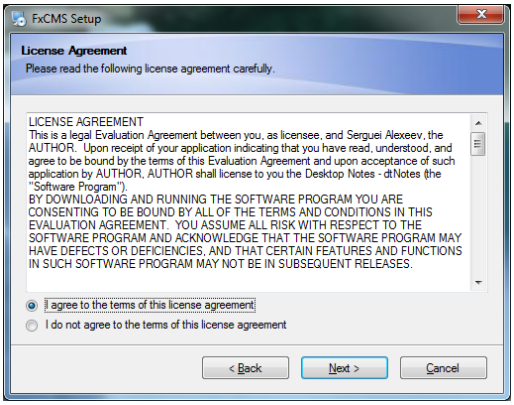
Once installation is successful, press the Finish button.

2.1.2 CMS Installation

FxCMS-64bit.exe is Central Monitoring Software installation setup file name.

To start the install, click Next.

FxCMS Setup
Welcome
Welcome to the installer for FxCMS 1.0.
It is strongly recommended that you exit all Windows programs before continuing with this installation.
If you have any other programs running, please click Cancel, close the programs, and run this setup again.
Otherwise, click Next to continue.
< Back
Next >
Cancel


FxCMS Setup
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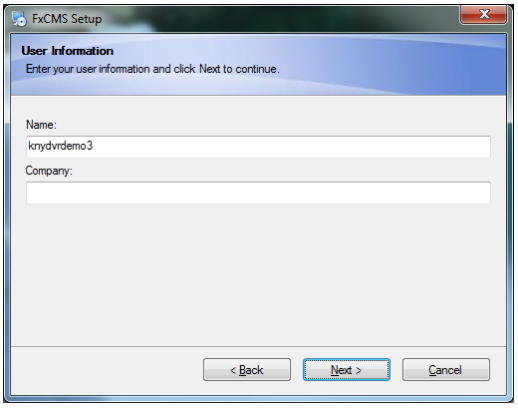
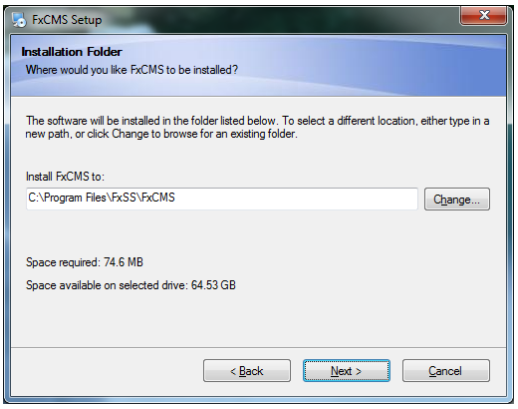
I do not agree to the terms of this license agreement
< Back
Next >
Cancel

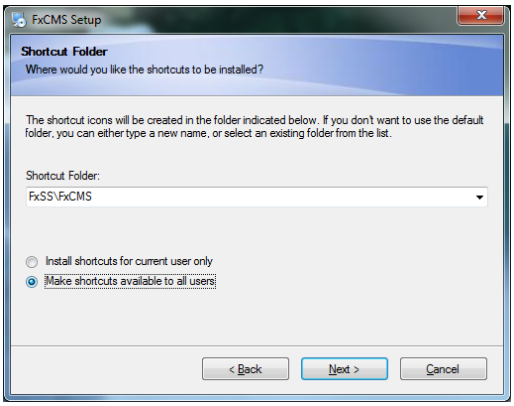
Please read and agree with the terms of the license and click Next.



Enter your user information and click Next to continue.

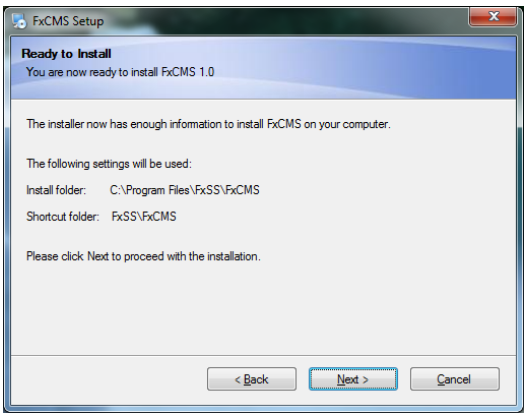

FxCMS Setup
Installation Folder
Where would you like FxCMS to be installed?
The software will be installed in the folder listed below. To select a different location, either type in a new path, or click Change to browse for an existing folder.
Install FxCMS to:
C:\Program Files\FxSS\FxCMS
Change...
Space required: 74.6 MB
Space available on selected drive: 64.53 GB
< Back
Next >
Cancel

The software will be installed in the folder. To select a different location, either type in a new path, or click change to browse for an existing folder.

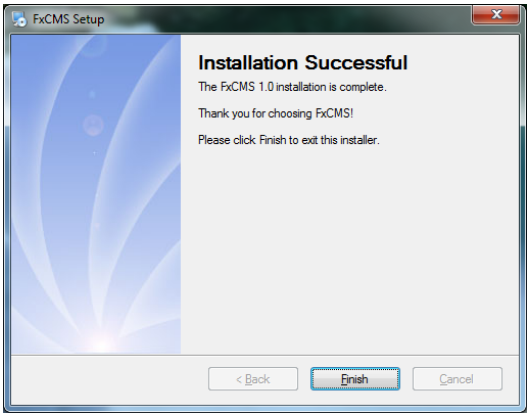

FxCMS Setup
Shortcut Folder
Where would you like the shortcuts to be installed?
The shortcut icons will be created in the folder indicated below. If you don't want to use the default folder, you can either type a new name, or select an existing folder from the list.
Shortcut Folder:
FxSS\FxCMS
Install shortcuts for current user only
Make shortcuts available to all users
< Back
Next >
Cancel

The shortcut icons will be created in the "Shortcut Folder". If you don't want to use the default folder, you can either type a new name, or select an existing folder from list.

Click Next to continue.


FxCMS Setup
Ready to Install
You are now ready to install FxCMS 1.0
The installer now has enough information to install FxCMS on your computer.
The following settings will be used:
Install folder: C:\Program Files\FxSS\FxCMS
Shortcut folder: FxSS\FxCMS
Please click Next to proceed with the installation.
< Back
Next >
Cancel

Click Next to proceed with the installation.



Once installation is successful, click "Finish".

FxCMS icon

is located on Desktop screen.

To start the CMS, double click "FxCMS" icon to run.

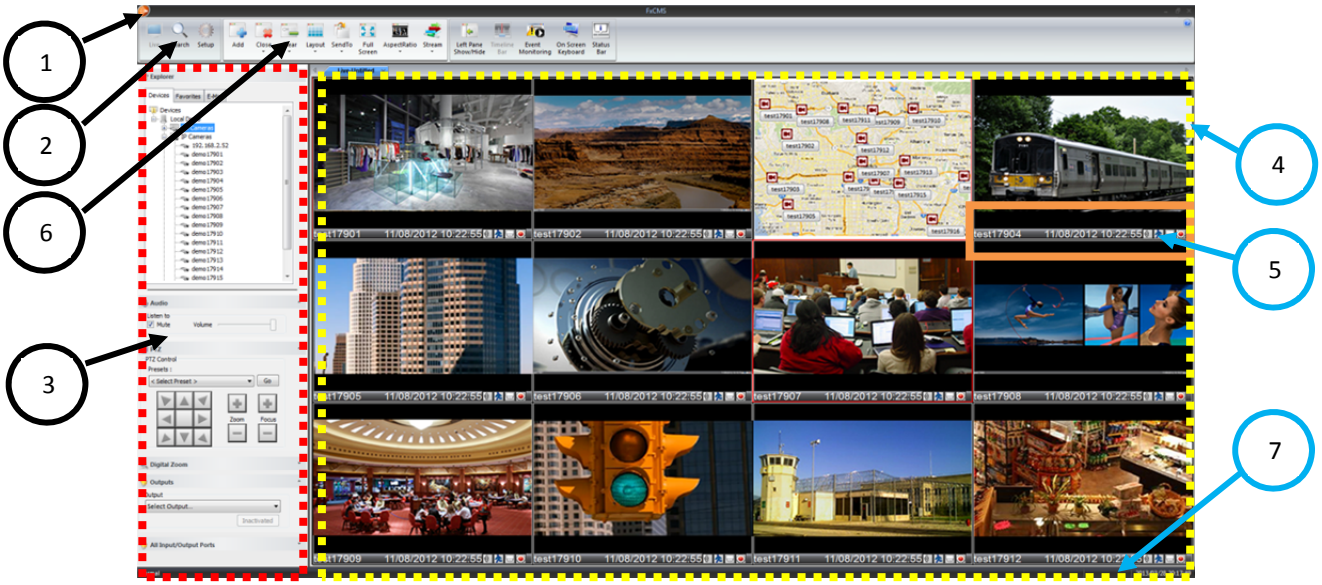
2.2 Remove software

To uninstall software goto:

Control Panel > Programs and Features > Uninstall FxCMS.

Control Panel > Programs and Features > Uninstall FxPlayer

3 Main screen



Main screen is divided into the following sections:

1	Main Icon
2	Main Tool
3	Left pane
4	View window tab
5	Channel window
6	Window Tool
7	Status bar

3.1 Exit

The program will exit and go into the Windows Desktop.

3.2 Main Tool

"Main Tool" contains Live, Search & Setup button.

"Left pane" and the "selected view window tab" is comprised of live mode.

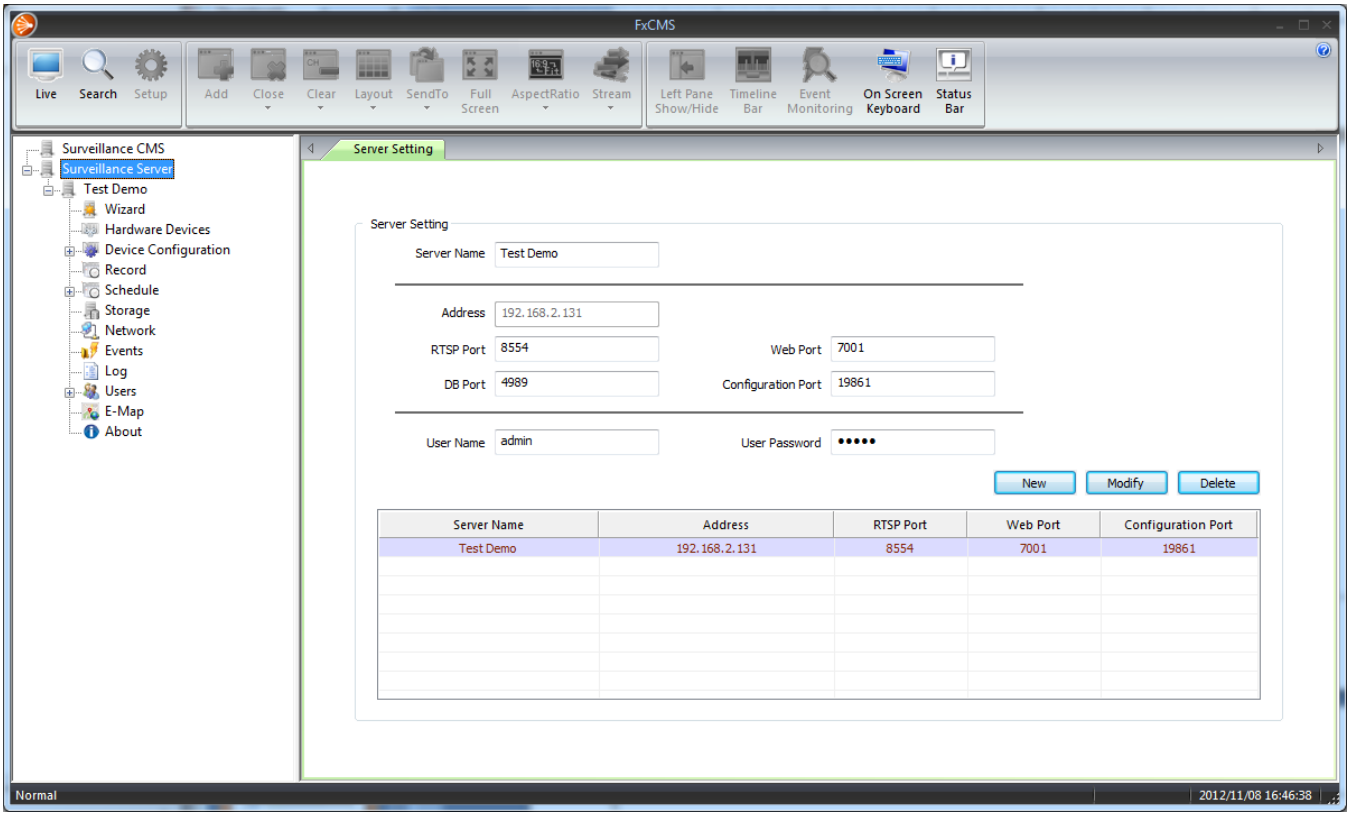
"Left pane" and the "selected view window tab" is comprised of search mode.

"Left pane" is comprised of setup mode.

3.3 Add, Edit and Remove Hybrid Extreme VMS

Click Setup button on the Main Tool to access the setup mode.

Click "Surveillance Server" menu on the Setup tree to Add Hybrid Extreme VMS server.



3.3.1 Add Hybrid Extreme VMS

- Click New button to initialize the parameters.
- Enter Server Name.
- Enter address of the Hybrid Extreme VMS server and ports.
- Enter Username and password.
- To save, click Save button.

When the Hybrid Extreme VMS server is connected the setup tree of the Hybrid Extreme VMS is displayed.

3.3.2 Edit Hybrid Extreme VMS

Select a server on the list and change the parameters. To save, click Modify button.

3.3.3 Delete Hybrid Extreme VMS

Select one of server on the list and click Delete button to remove the selected server.

3.4 Left pane

When a user clicks the Live button on the "Main tool", this area is comprised of function pane for live mode. When a user clicks Search button on the "Main tool", this is comprised of function pane for search mode. When a user clicks Setup button on the "Main tool", this area is comprised of setup menu pane.

3.4.1 Live mode

Live mode is comprised of the following panes.

- Explorer pane

- Audio pane
- PTZ pane
- Digital Zoom pane
- Outputs control pane
- Spotouts pane
- Input port status/output port control pane

For more information, refer to section 5 “Live”.

3.4.2 Search mode

Search mode is comprised of the following function panes.

- Explorer pane
- TimeSet pane
- Audio pane
- Digital Zoom pane
- Print pane
- Export pane

For more information, see section 6 ”Search”.

3.4.3 Setup mode

Setup mode is comprised of the Setup menu pane. For more information, see section 7 "Setup".

3.5 View window tab

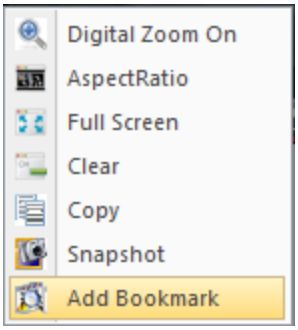
View window is an area to display live video or recorded video with layout. For more information about "Layout", see section 4.7.3 "Layout".

View Window can be displayed as multiple tabs, added by clicking the Add button in the Window Tool or open saved "Favorite".

3.6 Channel Window

This area displays the status of the camera and video. There are different functions depending on the mode in the Main tool. . For more information, see section on “Channel window”.

By pressing the right mouse button on each individual channel, a popup menu will be displayed.



Digital Zoom	Turn On or Off the digital zoom of the selected channel.
Aspect Ratio	Change the “Aspect ratio” of the selected channel, or switch to fit screen.
Full screen	Change to full-screen display or display normal screen size.
Clear	Closes the selected channel.
Copy	Copy the currently selected channel image into clipboard. Copy and save images to editing programs such as MS Paint.
Snapshot	Save selected channel image to PNG file.
Add Bookmark	A Bookmark can be set up to search from the currently selected time.

3.7 Window tool

Add View window tab.

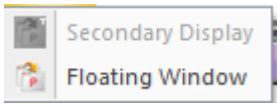
***NOTE**: Unlimited view window tabs can be added on the CMS.*

Close all or close the selected view window tab.

Clear all or clear the selected view window tab.

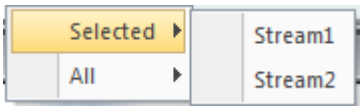
Make changes on a layout of the selected untitled view window tab.

Display selected view window tab on a different screen.
The CMS can connect up to multiple monitors.

	Secondary	시스템에 연결된 모니터가 둘 이상에서 사용할 수있습니다.
	Floating	Floating 으로 다른 창을 만들어 표시합니다.

Full screen view on a selected view window tab.

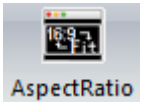
Hybrid Extreme VMS Live Stream.
Hybrid Extreme VMS Hybrid Extreme VMS board Live stream.
Recording



Stream1 Recording
Stream2 Recording

NOTE: IP device.

Display or hide Left pane.



Make video aspect ratio changes on each channel of the view window.

Hide or show timeline in search mode.

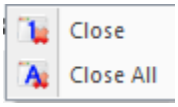
Hide or show Status bar.

Hide or show Live event and Advance search.
Show live event monitoring in Live mode.
Show Advance search in Search mode. Event search and Smart search is located in Advance search.

Displays “On Screen Keyboard”

3.7.1 Close

Closing view window tab.



Close	Close currently displayed view window tab.
Close All	Close all view window tab.

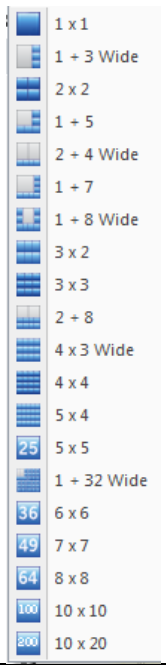
3.7.2 Clear

Only "untitled" view window tab can cleared.

Selected Channel	Close currently selected channel.
All Channels On Tab	All channels will be closed.

***NOTE**: The "Favorite" is not available to clear.*

3.7.3 Layout

	Layout can be modified only on “Untitled window tab”.

3.7.4 Full screen

3.7.4.1 *Main screen to Full screen*

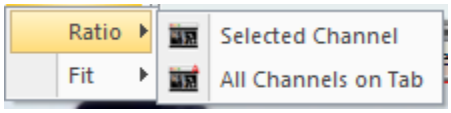
Pressing “FullScreen” button and expand the selected view window tab to full screen.

3.7.4.2 *Full screen to Main screen*

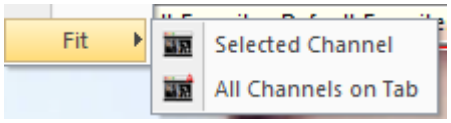
Press “ESC” key on the keyboard to return to the main screen. Exit Full screen by using the Popup menu of the Channel window.

3.7.5 Aspect Ratio

Select whether to apply the original image aspect ratio of the displayed image.



Selected Channel	Apply aspect ratio on the selected channel.
All Channel on Tab	Apply aspect ratio on all channel of the current view window tab.



Selected Channel	Display the selected channel to fit the screen size.
All Channel on Tab	Apply fit the screen on all channel of the current view window tab.

3.8 Status bar

Displays current operating status.

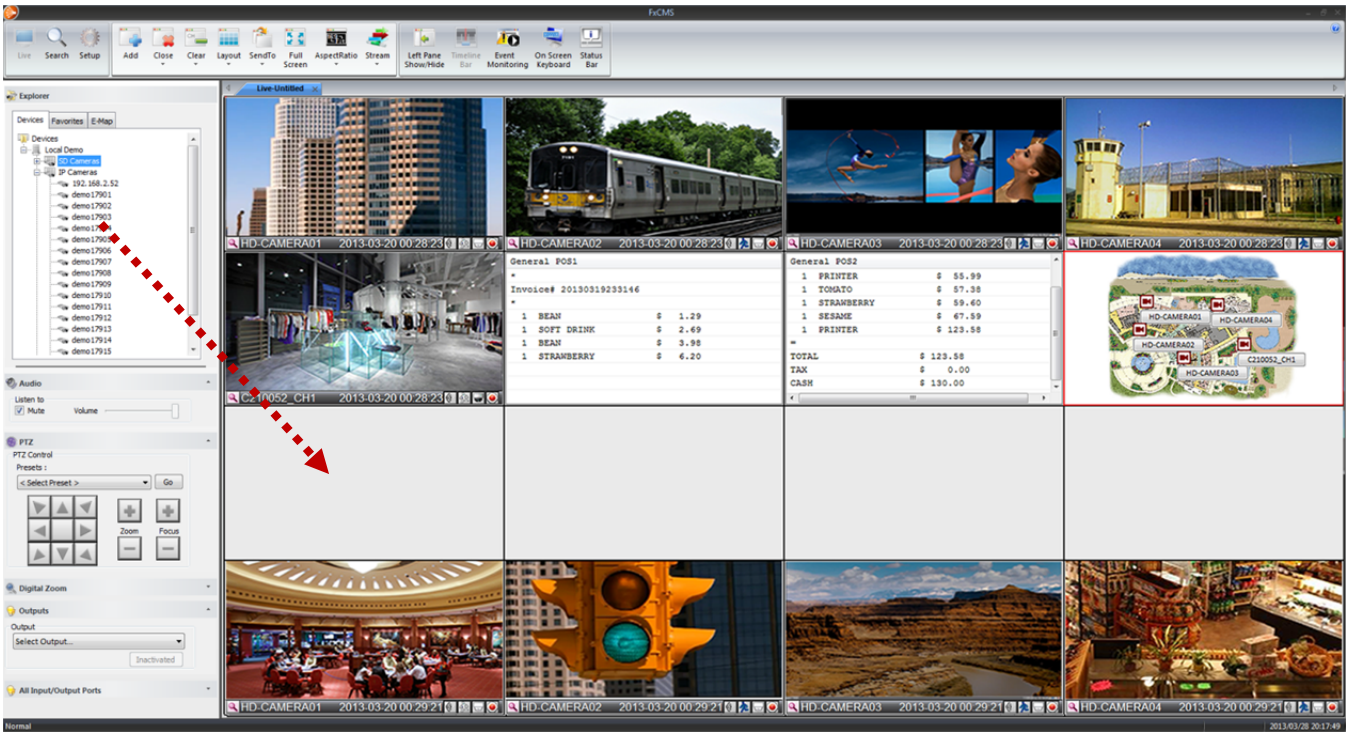
4 Live

4.1 Channel window

Video is displayed in the channel window and the features are as follows.

- Camera status display
- Digital zoom use. For more information on digital zoom control, see section 5.5.
- Save current image by using the Snapshot feature.
- Display E-Map.
- Display POS transaction data

On the Device tab of the Explorer pane, drag and drop the selected camera into selected channel window to display video. Using the same method, select a Map in the E-Map tab and drag-drop to display the E-Map.



4.1.1 Camera status display

Status display is as follows.

- The current date and time display
- Camera name display
- Record status display

Recording disabled

Recording enabled without recording

Recording

- Motion Status Display

Motion detected

No Motion detected

- PTZ Display

PTZ undefined

PTZ defined without usage

PTZ defined and usage

- Audio Display

Audio undefined

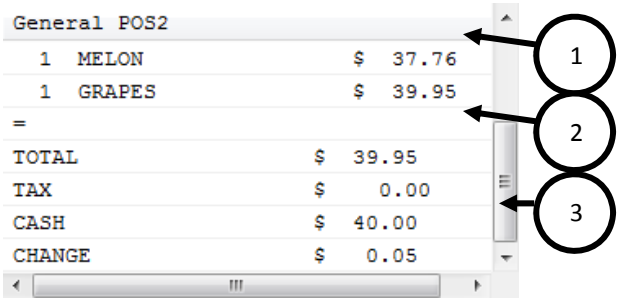
Audio defined without usage

Audio defined and usage

- Video Loss status display: Displayed when there is Video Loss.
- Video Secure Status Display: Displays when a user does not have permission to the view the selected video.

4.1.2 POS transaction data display

POS transaction data is displayed on the channel.



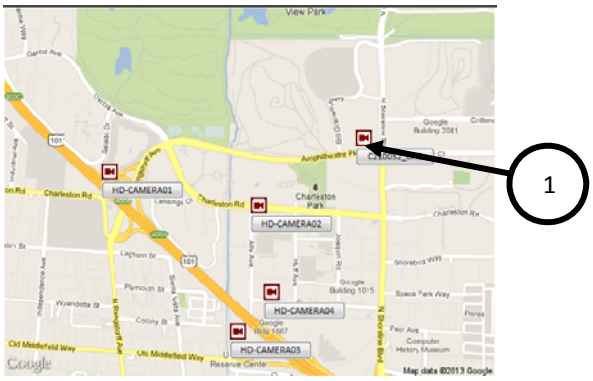
(1) The name of the POS device is located at top.

(2) A transaction is displayed in real-time.

(3), Using scroll bar previous transactions data can be reviewed.

4.1.3 E-map display

An e-map is displayed on the channel.



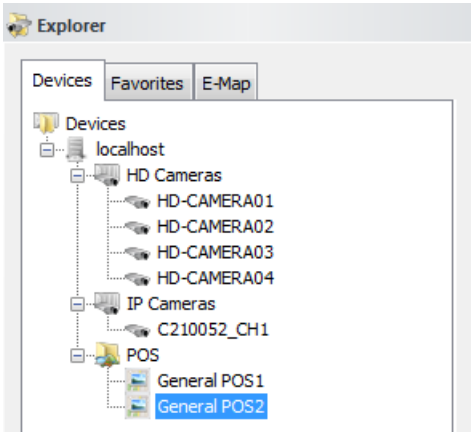
A camera icon with the name of the camera is displayed.

To display a camera, the user can drag and drop the selected camera icon to channel window.

4.2 Explorer pane

The Explorer pane contains the Camera tab the view window tab the Camera the Favorites tab favorite the view E-Map tab and view map.

4.2.1 Devices Tab



All the registered cameras and POS devices are displayed in "Devices". Cameras that are disabled will not be shown in the "Device list".

Drag and drop the selected camera into selected channel window to display video. The transactions data from the POS device can be displayed in the same way.

NOTE: *One view the duplicates of the same device cannot be displayed*.

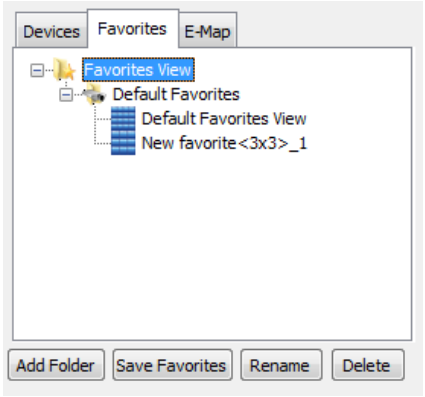
Live camera

Video loss camera

No view permission

4.2.2 Favorites tab

Favorites can be accessed by all users.



Add Folder	Add Favorite folder.
Save Favorite	User can save the selected untitled view tab to favorite.
Rename	Rename selected Favorite or folder.
Delete	Delete selected Favorite folder or Favorite.

Name of favorite views are listed on the favorite tab. User can add or delete favorites.

NOTE: *Only authorized user can make changes in the "Favorite" tab*.

4.2.2.1 *Add favorite folder*

- Press "Add folder" button.
- Modify folder name. Press "Enter" to save modification.

4.2.2.2 *Add favorite*

- In Window Tool, click "Add view" to create a new untitled view tab. If there is an image in an existing untitled view tab, an existing untitled tab will be selected.

- Press the “Layout” button and select the desired layout.
- In the “Devices” tab of the Explorer pane, drag-drop the desired camera into the channel window.
- Select the folder that is created for storing and press “Save Favorite”.
- Modify Favorite name. Once you have finished modifying the name, press “Enter” to save.

4.2.2.3 *Rename favorite or folder*

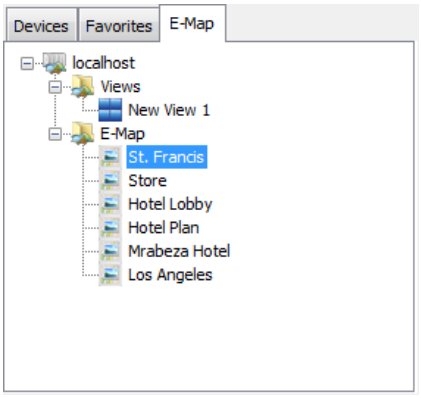
- Select Favorite or Folder.
- Press “Rename” button.
- Modify the name. Press “Enter” to save.

4.2.2.4 *Delete favorite or folder*

- Select Favorite or Folder.
- Press “Delete” button.
- To delete, select "YES" in the message box.
- The selected favorite will be deleted from the Tree.

4.2.3 E-Map

서버에서 만들어진 View 와 Map 을 서버별로 표시합니다.



4.2.3.1 *Views*

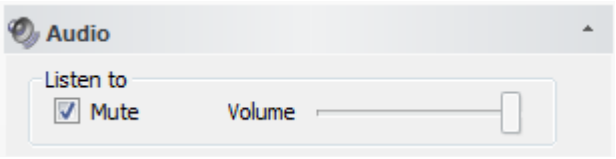
The view is comprised of favorites which are created from E-map setup. A view includes the maps and the cameras on the layout. All available users can share it.

Double click on the view name to display view window tab.

4.2.3.2 *E-Map*

To display the Map, drag-drop the Map into a channel window.

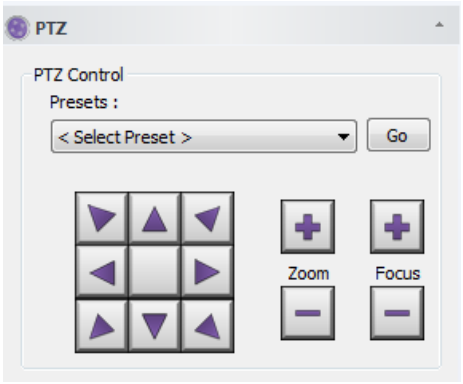
4.3 Audio



Mute	Mute volume.
Volume	Volume control.

NOTE: *Camera and audio configuration is configured in Hybrid Extreme VMS server setup*.

4.4 PTZ Control pane



The PTZ pane is activated by the selected channel window that has the PTZ control enabled.

Pan, tilt, zoom, and focus control functions are available.

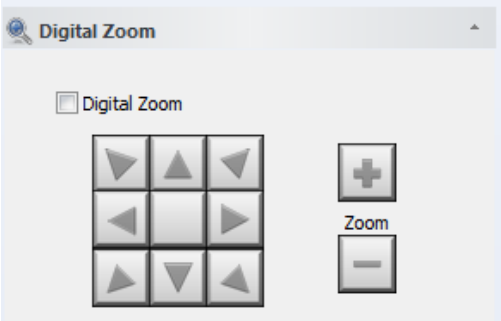
NOTE: *The user must have permission to use the PTZ camera control function.*

4.4.1 Go Preset

Preset is stored in PTZ setup. The name of the saved preset is listed in the "Presets" box. A User can select a preset and click the Go button to move to the selected preset.

For more information about defining preset, see PTZ setup in the Hybrid Extreme VMS server setup.

4.5 Digital Zoom

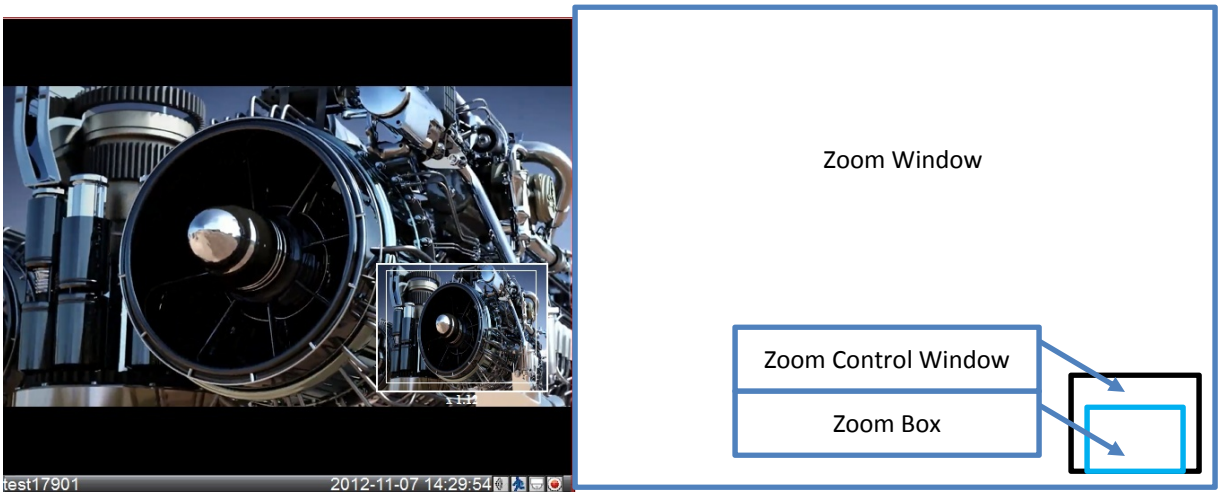


To use the Digital Zoom function, the Digital zoom feature must to be turned “On”. Use one of the following methods.

- Check mark the “Digital Zoom” in the Digital Zoom Pane.
- Press the right mouse button in the Channel window and select "Digital Zoom On".

To deactivate the Digital zoom, use one of the following methods.

- Uncheck “Digital Zoom” in the Digital Zoom pane.
- Press the right mouse button in the Channel window and select "Digital Zoom off".



4.5.1 Zoom control window

4.5.1.1 *Zoom control window*

The original video image is displayed in the zoom control window.

4.5.1.2 *Zoom box*

The image of the zoom box area will be displayed in the zoom window.

4.5.1.2.1 Zoom In

Moving the mouse wheel forward will decrease the size of the zoom box towards the center.

4.5.1.2.2 Zoom Out

Moving the mouse wheel backwards will increase the size of the zoom box towards the center.

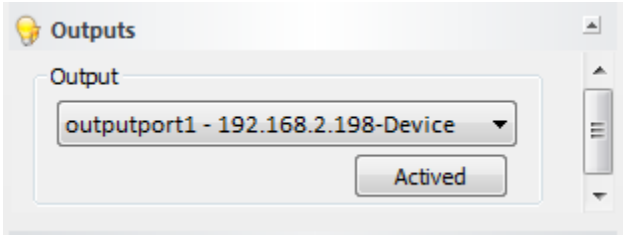
4.5.1.2.3 Zoom box Movement

The user can control the movement of the zoom box by holding down the left mouse button. Moving the zoom box will not affect the size of the zoom box. While moving the mouse, the image of the zoom box will be displayed in the zoom window.

4.5.2 Zoom window

An image is displayed in the zoom box.

4.6 Outputs pane

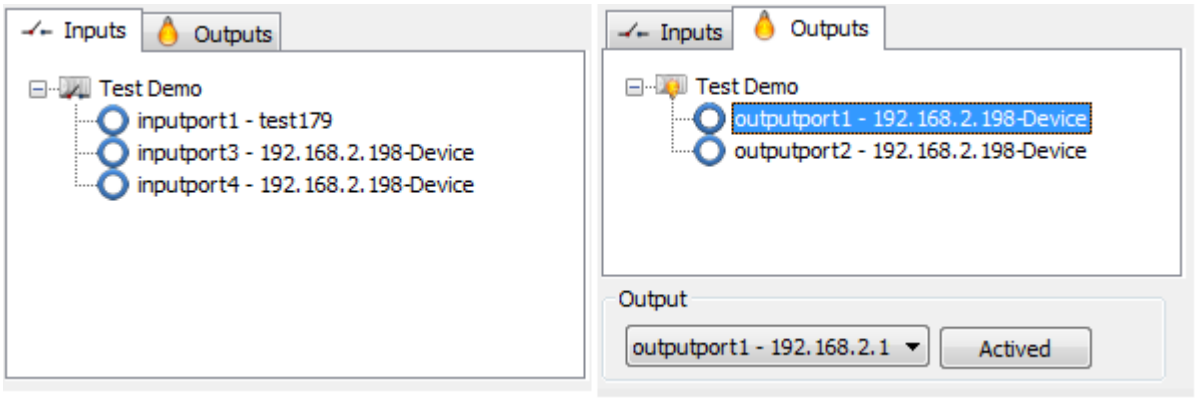


Control the output port that is connected to the Hybrid Extreme VMS.

The output of the IP device will be displayed when the corresponding camera is displayed.

Output port status is displayed on the button, by pressing the button the status will change. When it is in inactive status, press the button to active. By pressing the button, the active status will become inactive.

4.7 All Input/Output Ports



This pane is comprised of Inputs tab and Outputs tab. Inputs tab has the list of all the input ports. Outputs tab has the list of all the output ports from the Hybrid Extreme VMS servers.

Input port status will be displayed. Output port status will display and control the output.

Inactive status Active status.

4.8 Event live

Date & Time	Server Name	Event Source	Message
2012/11/08 17:21:02	Test Demo	test17910	motion detected start
2012/11/08 17:21:01	Test Demo	test17910	motion detected end
2012/11/08 17:20:41	Test Demo	test17910	motion detected start
2012/11/08 17:20:41	Test Demo	test17909	motion detected start
2012/11/08 17:20:40	Test Demo	test17910	motion detected end
2012/11/08 17:20:40	Test Demo	test17909	motion detected end
2012/11/08 17:20:38	Test Demo	test17909	motion detected start

Click

Event monitor icon on the Window tool to display Event monitoring pane.

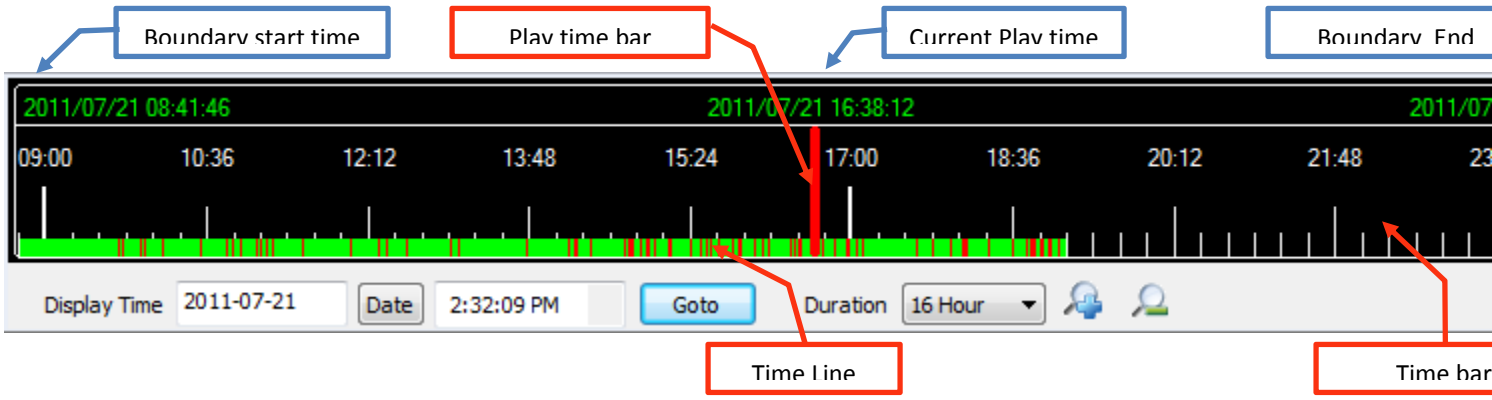
This pane monitors the events from the servers. Events are updated in real-time.

5 Search/Playback

CMS has multiple search functions as calendar, timeline, thumbnail, event, and smart search. User can playback by selecting a day & time of the recorded data. Print and export JPEG or AVI file of the selected video.

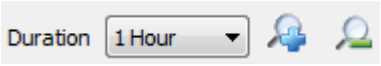
5.1 Time Line Search

Use the Timeline to quickly verify existing recorded data. It's easy to determine the status of an event within the timeline by the separated colors in the time line. A user can continuously search without manually inputting the date and time.



Time bar	Time display bar. Press and hold the left mouse button as you move the Time bar. This action displays the video of the selected time or an event.
Boundary time	Displays the time interval displayed in the Time bar. Displays Start and End time.
Play time bar	Marks the Playback location within Time bar.
Current play time	Displays the current time of the playback.
Time line	Displays the status of an event of the recorded video.

Green	Continuous Record. No include event
Red	Motion Event
Blue	Audio record

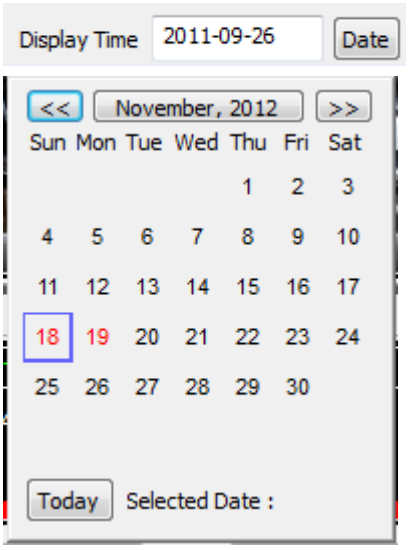


Duration is displayed in the Time bar. Time boundary can be configured by changing the duration.

There are 1min, 5min, 15min, 30 min, 1 hour, 2 hour, 4 hour, 8 hour, 16 hour, and 24 hour in "Duration".

: Decrease the space within the Time boundary. Increase the space within the Time boundary.

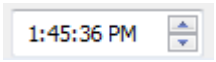
5.2 Calendar Search



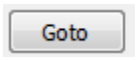
Press the “Date" button and select the desired date. Doing this will mark the selected date on the calendar.

Current recorded data is mark in red on the calendar.

Press “Today” to select the present day.



Moves to the selected time.



Moves the selected date and time.

5.3 Channel window

Video is displayed in the channel window and the features are as follows.

- Camera status display
- Digital zoom use. For more information on digital zoom control.
- Save current image by using the Snapshot feature.
- Display E-Map.
- Add bookmark: Add a bookmark to the current time.

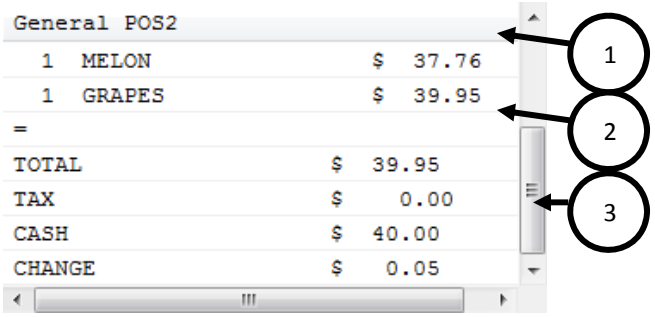
5.3.1 Camera Status display

The following status is displayed.

- Displays date and time of the “Playback”.
- Camera name display
- "NO RECORD" status display: Displays when there is no recording.
- "NO PERMISSION" status display: Displays when an unauthorized user attempts to access a video.

5.3.2 POS transaction data display

POS transaction data is displayed on the channel.



(1)The name of POS device is located at top.

(2)A transaction data is displayed as playback time.

(2)Using scroll bar, the previous transaction data can be reviewed.

5.3.3 e-map display

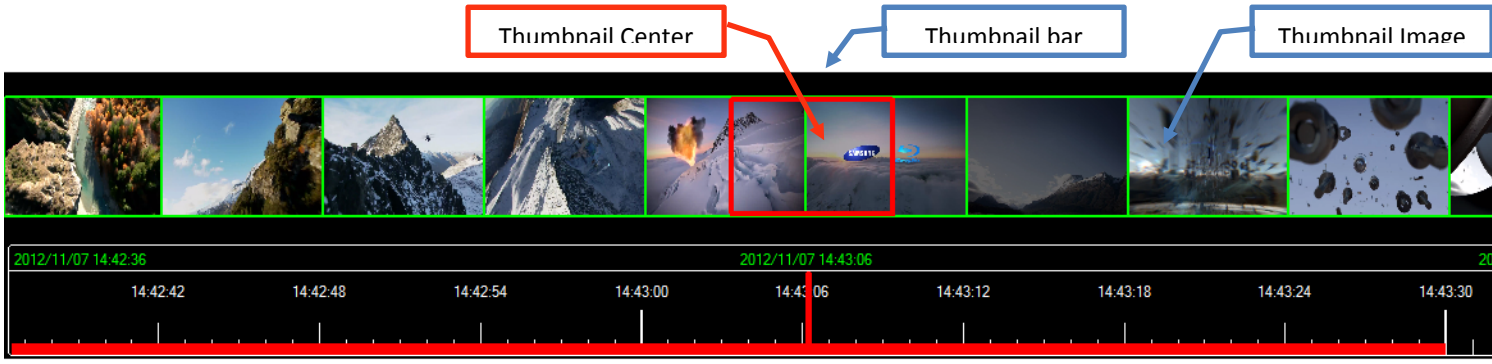
An e-map is displayed on the channel. See selection 5.1.3

5.4 Thumbnail Search

Using the Thumbnail image & Time line, a user can quickly search the desired recorded event.

Select Thumbnail Tab

Thumbnail bar	10 images from the selected channel window are displayed.
Thumbnail image	Thumbnail image. Select a Thumbnail image to play the video of the image in the Thumbnail.
Thumbnail Center	The" Thumbnail Center" will display the selected thumbnail and playback the recorded video.



5.5 Explorer pane

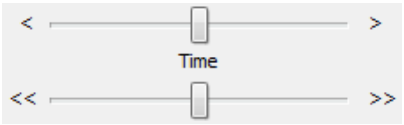
Refer to 5.2 Explorer pane.

5.6 Timeset pane

Monday, September 26, 2011 13:45:36	Displays the date and time of the current playback.
	Forward play
	Backward play
	Previous frame
	Next frame
	Next block
	Previous block

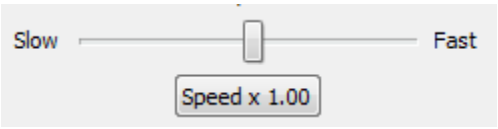
Image of start time

Image of end time



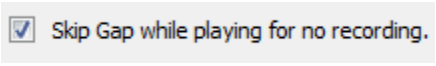
Time-base search by moving the time bar. Move the slider bar to the right to" Fast-forward".

Move the slider bar to the left to "Rewind and Fast rewind".



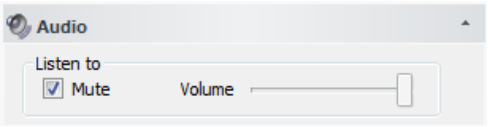
Play speed control. Maximum 16x speed.

In order to change the speed to 1x, press "Speed x 1.00".



If there is no recorded video in the View window tab, the system will jump the next image.

5.7 Audio pane



Mute	Mute volume.
Volume	Volume control.

Recorded audio can be heard through the speakers when the video is played at 1x speed.

Check "Mute" to disable audio.

5.8 Digital Zoom pane

Refer to 5.5 Digital zoom.

5.9 Print pane

Print the current image in the channel window of the View window.

Title	Title of the image that is being printed.
Camera name	Camera Name
Image Capture Time	Displays the capture time of the image.
Report Print Time	Displays the report of print date and time.
User	Displays the logged in user name.
User's Note	User's note of the image.
Close on Completion	After printing, the window will close automatically.

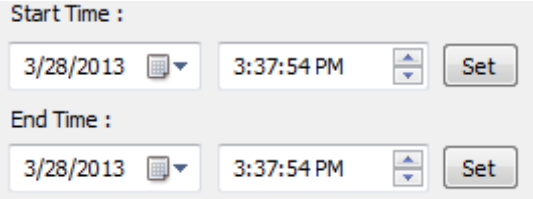
Print	Print
Close	Close without printing.

5.10 Export pane

There are two ways to export recorded data.

AVI/JPEG	Backup the selected image or video to JPEG or AVI format
Database	The recorded video file(Hybrid Extreme VMS database file) can be exported. It is possible to playback the exported file by using the "ExportViewer".

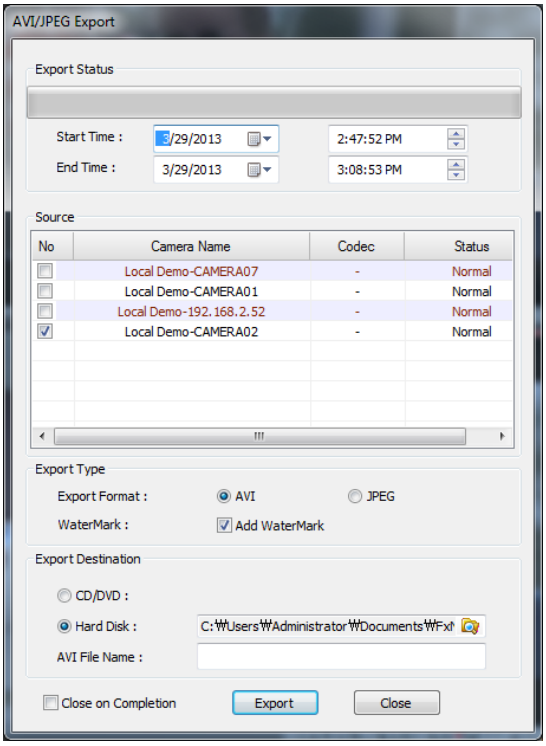
5.10.1 Export Time Selection



Export Start and End time setting.

- Users can manually set the time and date.
- Align the Timeline bar to the desired date and time and press “Set button”.

5.10.2 AVI/JPEG Export



Export Status	Displays the current Export status.
Start time	Export “Start Time”.
End time	Export “End Time”.
Source	Displays the list of cameras that are currently playing on the view window. User can select the multiple cameras to be exported.
Export type	Select “AVI” or ”JPEG” format.
	Select the "Add Watermark" for additional security and validity of the image file. The "Verify Tool" can be examined to determine forgery or any alteration to a file. Refer to the Verify Tool section for more information.
CD/DVD	Export data to CD/DVD.
Hard disk	Select a folder from a local or removable drive to export the data.
AVI Filename	Create an AVI file name for the Export data.
Close on Completion	Automatically close when the Export is completed.
Export	Start Export.
Close	Close.

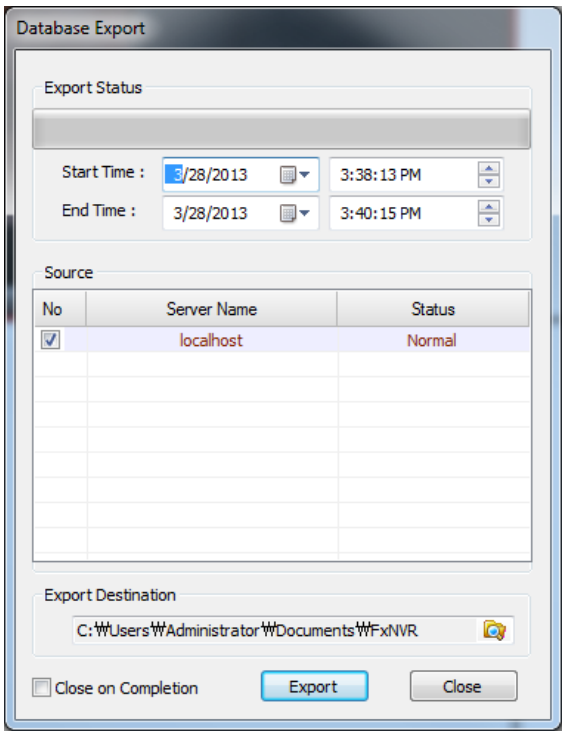
5.10.3 Database Export

The Database Export, copies the recorded video or audio without modification. This file can be playback using the "ExportViewer" from another computer.

Database Export will copy all the stored video or audio of the between start and end time of the selected time.

For more information about "Export Viewer", refer to "Export Viewer user guide".

NOTE: Depending on the number of cameras, this may take several minutes.

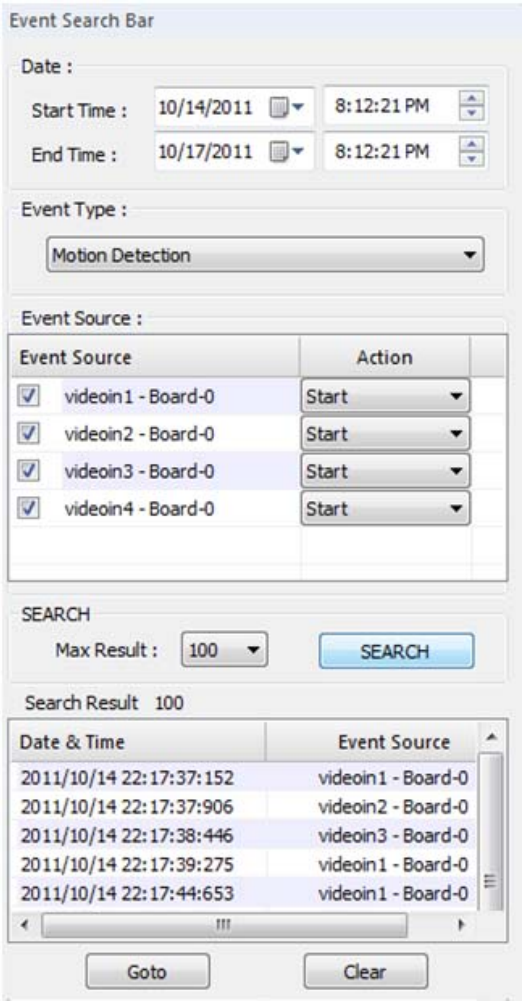


Export Status	Displays the current Export status.
Start time	Export start time.
End time	Export end time.
Source	List of servers are displayed. Select the server to copy the source.
Export Destination	Select a folder from a local drive to export the data
Close on Completion	Automatically close when the Export is completed.
Export	Start Export.
Close	Close.

5.11 Event Search

"Event search" search the occurred events; motion, camera status, input device status change and other.

Select Advanced Search icon button at Window Tool. Event search and Smart search is displayed. Select the search Event.

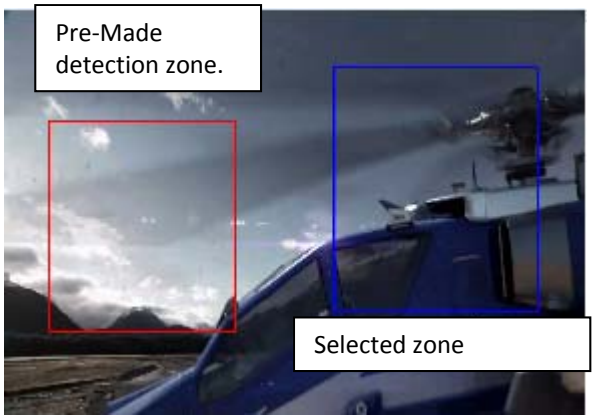


Date	Set search date.
Event Type	Select event search. Search Event is as follows. • Video Loss • Motion Detection • Input port event
Event Source	Select a source based on the "Event type".
Max Result	The maximum number of results to be displayed in the Result.
Search	Shows the Search Result.
Search Result	Search results are displayed.
Go to	Goes to the selected date and time of the event.
Clear	Clear all result.

5.12 Smart search

Smart search is a detail video motion detection function.

Camera	Select a camera to be searched. The image of the selected camera is displayed on the video search.
Date	Select the start and end time to search. Click Start time button to set the start time of the current play time on the "Timeline". Click End time button to set the end time of the current play time on the "Timeline".
Video/draw area	Set the detection zone of the selected camera. Press “Delete” button to delete the detection zone. The selected area is in blue.



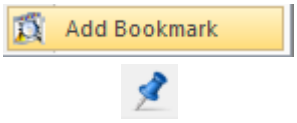
Condition	Sets the condition for detecting movement.
Sensitivity	Motion Sensitivity.
Threshold	Establish criteria for changes.
Interval	Sets duplicated change interval.
Set time	Go to the start time.
Search	Start search.
Pause/Play	Pause or continue during search.
Stop	Stop search.
Goto	Go to the selected time in the search results.
Clear	Delete all the found results.
Result	Display the search results.

5.13 Bookmark

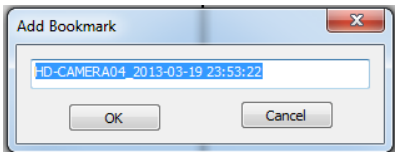
The bookmark function is used to quick search a video at a later time.

5.13.1 Add bookmark

Users can quickly find bookmarked videos by the Bookmark Search pane.



Click the right mouse button to a selected camera and then select "Add Bookmark" or click "A bookmark" icon at bottom.



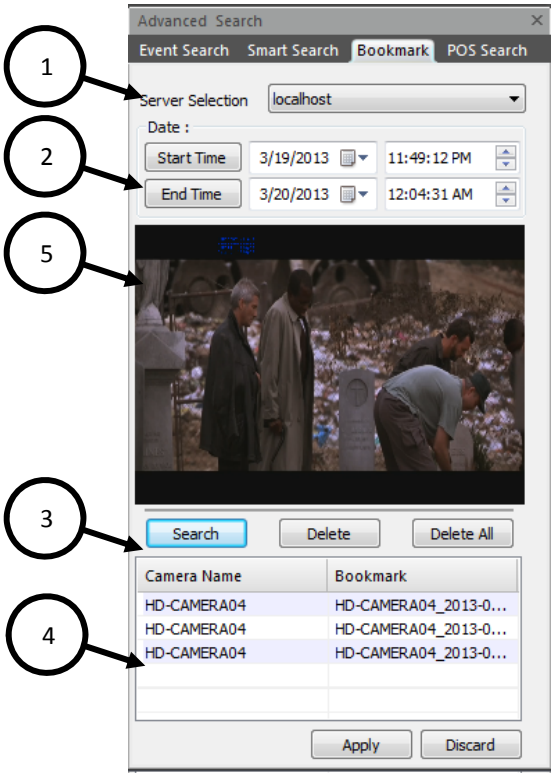
Enter a name for the bookmark.

When the save is complete, the bookmark icon is displayed in the Timeline.

When you double-click the bookmark icon, you can change the name.

5.13.2 Search bookmark

To search for bookmark, select the Bookmark pane tab.



(1)Select a Hybrid Extreme VMS server that will be searched from Server Selection.

(2)Set Start time and End Time.

Click Search button(3) to search for the bookmark. The result will be listed in the window(4).

When single Clicking on the Camera Name in the column(4), A video will be displayed in the video screen.(5).

When double-clicking the Camera Name(4), The play time will be moved to bookmark's time for current a View window.

Note: A view window must to exist a camera that Bookmark contained the camera.

Once click Bookmark column to change the name of.

5.13.3 Delete Bookmark

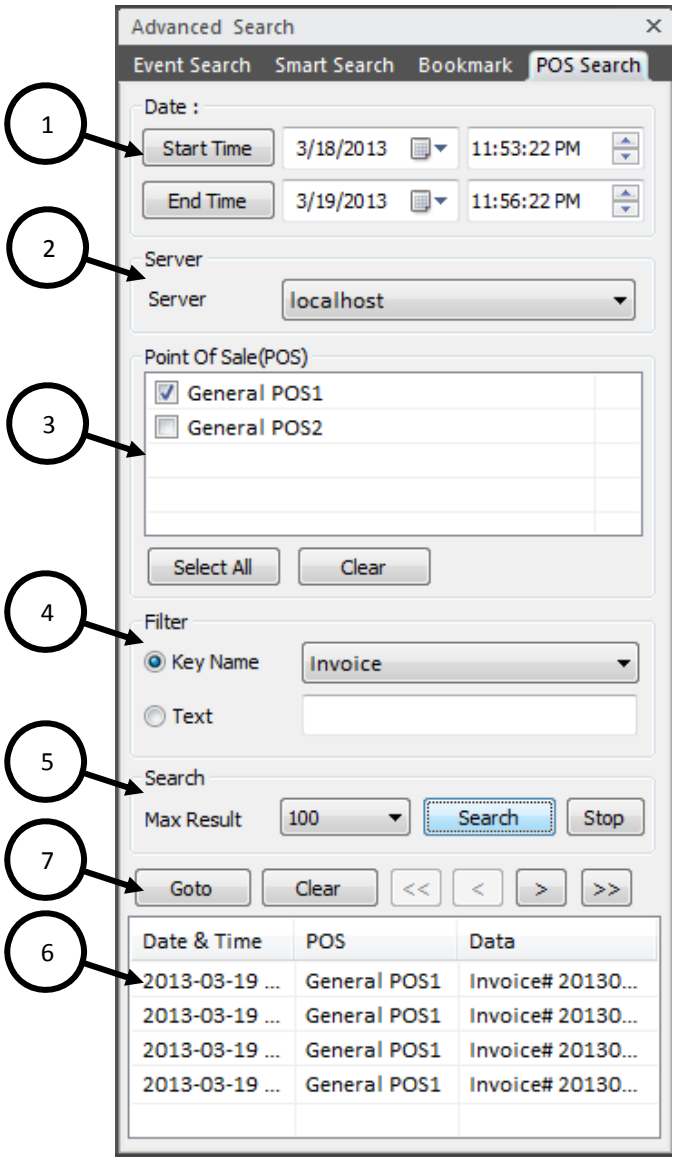
Select a bookmark on the result window, click the Delete button to delete and remove the bookmark from the result window. When clicking the Apply button, it will be removed from the database.

When clicking the Discard button, the deleted item will be reverted to its origin.

NOTE: If the Apply button has been used, the discard may not affected.

5.14 POS transaction data search

The POS Search tab is used to find data which are stored transactions, and can be moved as result of the time. Select POS search pane tab as Advanced Search pane.



(1)Set Start time and End time to look up.

(2)Select a Hybrid Extreme VMS server that will be searched from Server Selection. Then the name of the device(s) will be listed in the POS device window(3).

Select one or more POS devices(3).

Select a filter type, either Key Name or Text(4).

Key Name: These were added during setup.

Text: Specify a word to look up.

Click Search button (5) to search for transaction data. The results will be listed in the result window (6).

Select a result (6) and click Goto button (7), the play time will be moved to the bookmark's time for current a View window.

To clear results, click Clear button.

Click ">" button for more results than max result count.

For more information, prefer to POS Setup.

6 Setup

Setup configures the CMS environment. Each tree will have a separate setup item.

Setup button is common to each of the settings of the following:

Button	Description
New	Create a new environment.
Save	Set the environment for temporary storage. It will not be applied to the Hybrid Extreme VMS.
Apply	Current settings will be modified and applied to the Hybrid Extreme VMS.
Remove	The selected environment will be deleted temporary It will not be applied to the Hybrid Extreme VMS.
Discard	Discard the current setting and revert back to the previous setting.

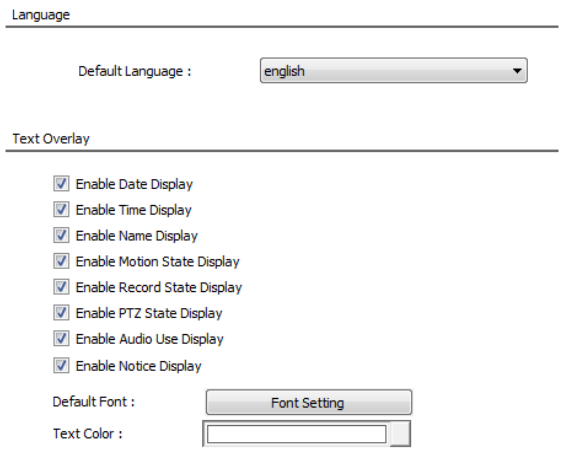
NOTE: If you do not press "Apply" after changing the settings, the system will revert back to the previous setting.

6.1 Surveillance CMS

6.1.1 Display

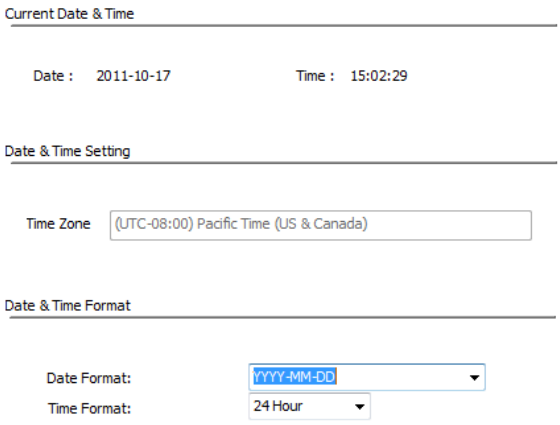
Language: Select the language to be used in the program.

Text Overlay will be displayed in the channel window of the message settings.



Default Language	Select the language to be used in the program.
Enable Date Display	Enable Date Display
Enable Time Display	Enable Time Display
Enable Name Display	Enable Name Display
Enable Motion State Display	Enable Motion Status Display
Enable Record State Display	Enable Record Status Display
Enable PTZ State Display	Enable PTZ Status Display
Enable Audio Use Display	Enable Audio Use Display
Enable Notice Display	Enable Notice Display
Default Font Font Setting	Set the Font
Text Color	Set the color of the text

6.1.2 Date & Time



Current Date & Time	Display the current date and time.
Date Format	Select the display format of the date. YYYY-MM-DD, MM/DD/YYYY , www mmm dd YYYY Select one of the following For example) YYYY-MM-DD: 2011-8-12 MM/DD/YYYY: 8/21/2011 www mmm dd YYYY: Fri Sep. 1 2011
Time Format	Select the display format of the time. Select one of 12Hour, 24Hour For example) 12 Hour: 1:12:33 PM 24 Hour: 13:12:33

6.2 Surveillance Server

For more information, "refer to Hybrid Extreme VMS Server User's Manual".